

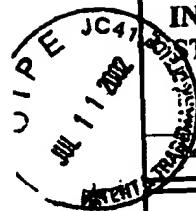
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/894,125
		Filing Date	June 29, 2001
		First Named Inventor	Shunpei YAMAZAKI et al.
		Group Art Unit	2823
		Examiner Name	Brook Kebede
		Attorney Docket Number	0756-2330



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	09/894,125
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Attorney Docket Number	0756-2330

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

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Sheet	1	of	1	Application Number	09/894,125
				Filing Date	June 29, 2001
				First Named Inventor	Shunpei YAMAZAKI et al.
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				Examiner Name	B. Kebede
				Attorney Docket Number	0756-2330

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>			
BR	JP	07-130652			05/19/1995	AB

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
BR		R. Shimokawa et al., <i>Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement</i> , Japanese Journal of Applied Physics, Volume 27, No. 5, May, 1988, pp. 751-758				
BR		H. Furue et al., P-78: <i>Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability</i> , SID, 1998				
BR		T. Yoshida, 33.2: <i>A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time</i> , SID Digest, 1997, pp. 841-844.				
BR		H. Dorin, et al., <i>Chemistry the Study of Matter</i> , Prentice Hall, Fourth Edition, 1992, p. 532.				
BR		Y. Aya, et al., <i>Improvement of SPC Poly-Si Film Using the ELA Method</i> , 1997 International Workshop on Active-Matrix Liquid-Crystal Displays, September 11-12, 1997, pp. 167-170.				
BR		H. Abe, et al., <i>High-Performance Poly-Crystalline Silicon TFTs Fabricated Using the SPC and ELA Methods</i> , 1998 International Workshop on Active-Matrix Liquid-Crystal Displays, July 9-10, 1998, pp. 85-88.				
BR		S. Inui, et al., <i>Thresholdless Antiferroelectricity in Liquid Crystals and its Application to Displays</i> , J. Mater. Chem., 1996, pp. 671-673				

Examiner Signature	BRON Kebede	Date Considered	12/10/2004
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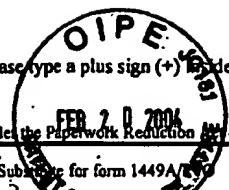
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				Complete if Known		
				Application Number		
				Filing Date	June 29, 2001	
				First Named Inventor	Shunpei YAMAZAKI et al.	
				Group Art Unit	2823	
				Examiner Name	B. Kebode	
				Attorney Docket Number	740756-2330	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Page, Column, Line, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
BK	5,147,826	Liu et al.	09/15/1992			
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BK	4,986,213	Yamazaki et al.	01/22/1991			
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BK	6,054,739	Yamazaki et al.	04/25/2000			
BK	6,027,960	Kusumoto et al.	02/22/2000			
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Page, Column, Line, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup> (if known)			
						T <sup>5</sup>
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
BK		Dorin et al., "Chemistry The Study of Matter", 1992, pp. 532, Prentice Hall				
		Aya et al., "Improvement of SPC poly-Si Film Using the ELA Method", September 11-12, 1997, pp. 167-170, AM-LCD.				
		Abe et al., High-Performance Poly-Crystalline Silicon TFT's Fabricated Using the SPC and ELA Methods", July 9-10, 1998, pp. 85-88, AM-LCD.				
		"Thresholds antiferroelectricity in liquid crystals and its application to displays", S. Inui et al., J. Mater. Chem., 6 (4), pages 671-673, 1996.				
BK		U.S. Patent Application Serial No. 09/369,158 "Semiconductor Device and Method of Manufacturing the Same".				
BK		U.S. Patent Application Serial No. 09/352,194 "Crystalline Semiconductor Thin Film, Method of Fabricating the Same Semiconductor Device, and Method of Fabricating the Same".				
Examiner Signature	BROOK KEBODE		Date Considered	April 10, 2002		

Considered  
on  
12/10/2004

BROOK KEBODE

12/10/2004



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				<b>Application Number</b>	09/894,125
				<b>Filing Date</b>	June 29, 2001
				<b>First Named Inventor</b>	Shunpei YAMAZAKI et al.
				<b>Group Art Unit</b>	2823
				<b>Examiner Name</b>	B. Kebede
<b>Sheet</b>	1	<b>of</b>	1	<b>Attorney Docket Number</b>	0756-2330

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If Known)			
BKL	5,869,387			Sato et al.	02/09/1999	
BKL	5,985,681			Hamaejima et al.	11/16/1999	
BKL	6,221,738			Sakaguchi et al.	04/24/2001	
BKL	6,335,541			Ohtani et al.	01/01/2002	
BKL	6,559,036			Ohtani et al.	05/06/2003	

## **FOREIGN PATENT DOCUMENTS**

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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				<b>TRADEMARK OFFICE</b>	
				<b>Application Number</b>	09/894,125
				<b>Filing Date</b>	June 29, 2001
				<b>First Named Inventor</b>	Shunpei YAMAZAKI et al.
				<b>Group Art Unit</b>	2823
				<b>Examiner Name</b>	B. Kebede
<b>Sheet</b>	1	of	1	<b>Attorney Docket Number</b>	
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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
BSK		5,563,426		Zhang et al.	10/08/1996
BSK		6,100,562		Yamazaki et al.	08/08/2000
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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>		
BSK		JP	10-135469		05/22/1998
BSK		JP	10-125927		05/15/1998

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BSK		Final Office Action dated December 24, 2003 for U.S. Serial No. 09/908,727 filed July 20, 2001.			

Examiner Signature	Brook Kebede	Date Considered	12/10/2004
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Form PTO-1449 (Rev. 8-83)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No 56-2330	Serial No. Not Yet Assigned
INFORMATION DISCLOSURE STATEMENT <i>O I P E</i> (Use several sheets if necessary)		1037 U.S. PRO 094125 1037/094125	
<i>FEB 21 2004</i>		Applicant: Shunpei YAMAZAKI et al.	
		Filing Date: June 29, 2001	Group Art Unit: 2823

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BK	5,594,569	01/14/1997	Konuma et al.			
BK	5,643,826	07/01/1997	Ohtani et al.			
BK	5,923,962	07/13/1999	Ohtani et al.			
BA	5,854,096	12/29/1998	Ohtani et al.			
BK	5,616,506	04/01/1997	Takemura			
BK	5,696,386	12/09/1997	Yamazaki			
BK	5,712,191	01/27/1998	Nakajima et al.			
BK	5,888,857	03/30/1999	Zhang et al.			
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BK	5,910,015	06/08/1999	Sameshima et al.			

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	Document Number	Date	Country	Class	Subclass	Translation Yes      No
	07-130652	05/19/1995	Japan			Abstract
	08-078329	03-22-1996	Japan			Abstract

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement", Ryuichi Shimokawa et al., Japanese Journal of Applied Physics, Vol. 27, No. 5, pages 751-758, 1988.
	"Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability", H. Furue et al., SID 1998
	"A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time", T. Yoshida et al., SID DIGEST, pages 841-844, 1997.

Examiner *Brook Rebeck* Date Considered *April 20, 2002*

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